

CLAIMS

What Is Claimed Is:

1 Claim 1. A token dispensing and banknote changing device, comprising:
2 a banknote dispensing unit for dispensing banknotes;
3 a banknote receiving unit for receiving a banknote;
4 a token dispensing unit for dispensing tokens; and
5 a control unit operatively connected with the banknote dispensing unit, the
6 banknote receiving unit, and the token dispensing unit to detect receipt of a banknote,
7 dispense zero or more banknotes, and dispense zero or more tokens,
8 wherein the banknote dispensing unit, the banknote receiving unit, and the
9 token dispensing unit are stacked in a vertical column with the banknote dispensing unit
10 located at the top columnar position, the banknote receiving unit located at the middle
11 columnar position, and the token dispensing unit located at the bottom columnar position.

1 Claim 2. The token dispensing and banknote changing device of Claim 1,
2 wherein the banknote receiving unit includes a box-like chassis and has a
3 banknote receiving guide located at the upper side of the box-like chassis, and
4 wherein the banknote dispensing unit includes a box-like chassis and has a
5 banknote dispensing guide located at the lower side of the box-like chassis.

1 Claim 3. The token dispensing and banknote changing device of Claim 1,
2 wherein the token dispensing unit includes a box-like chassis and has a token
3 dispensing guide located at the lower side of the box-like chassis.

1 Claim 4. A token dispensing and banknote changing device, comprising:

2 a vertical chassis divided, from top to bottom, into a first compartment, a
3 second compartment, and a third compartment;

4 a banknote dispensing unit for dispensing banknotes, the banknote dispensing
5 unit disposed within the first compartment;

6 a banknote receiving unit for receiving a banknote, the banknote receiving unit
7 disposed within the second compartment;

8 a token dispensing unit for dispensing tokens, the token dispensing unit
9 disposed within the third compartment, the token dispensing unit having a supply hopper for
10 retaining a supply of tokens for dispensing; and

11 a control unit placed within the vertical chassis and operatively connected with
12 the banknote dispensing unit, the banknote receiving unit, and the token dispensing unit, the
13 control unit detects receipt of a banknote, dispenses zero or more banknotes, and dispenses
14 zero or more tokens.

1 Claim 5. The token dispensing and banknote changing device of Claim 4, further
2 comprising:

3 an opening in the rear of the third compartment, on the side opposite to the
4 token dispensing guide, to allow the tokens to be automatically resupplied by an automatic
5 token resupply device into the token dispensing unit supply hopper.

1 Claim 6. The token dispensing and banknote changing device of Claim 5,
2 wherein the banknote dispensing unit, banknote receiving unit, and the token
3 dispensing unit are removable from the chassis.

1 Claim 7. The token dispensing and banknote changing device of Claim 6, further
2 comprising:

3 a first door for enclosing the first compartment and the second compartment of
4 the chassis, the first door being a planar member with a first edge, a second edge, a third edge,
5 and a fourth edge,

6 wherein the first edge is located opposite to the third edge and the second edge
7 is located opposite to the fourth edge.

1 Claim 8. The token dispensing and banknote changing device of Claim 7, further
2 comprising:

3 a first locking mechanism for securing the first door to the chassis, the first
4 locking mechanism being located adjacent to the first edge of the first door.

1 Claim 9. The token dispensing and banknote changing device of Claim 8, further
2 comprising:

3 a first hinge for connecting the predetermined edge of the first door to the
4 chassis,

5 wherein the first hinge allows the first door to be selectively opened and
6 closed by pivoting on the first hinge.

1 Claim 10. The token dispensing and banknote changing device of Claim 9,
2 wherein the first hinge is located on the third edge of the first door.

1 Claim 11. The token dispensing and banknote changing device of Claim 9,
2 wherein the first hinge is located on one of the second edge or the fourth edge
3 of the first door.

1 Claim 12. The token dispensing and banknote changing device of Claim 6, further
2 comprising:

3 a second door for enclosing the third compartment of the chassis, the second
4 door being a planar member with a first edge, a second edge, a third edge, and a fourth edge,
5 wherein the first edge is located opposite to the third edge and the second edge
6 is located opposite to the fourth edge.

1 Claim 13. The token dispensing and banknote changing device of Claim 12, further
2 comprising:

3 a second locking mechanism for securing the second door to the chassis, the
4 second locking mechanism being located adjacent to the first edge of the first door.

1 Claim 14. The token dispensing and banknote changing device of Claim 13, further
2 comprising:

3 a second hinge for connecting the predetermined edge of the second door to
4 the chassis,

5 wherein the second hinge allows the second door to be selectively opened and
6 closed by pivoting on the second hinge.

1 Claim 15. The token dispensing and banknote changing device of Claim 14,
2 wherein the second hinge is located on the third edge of the second door.

1 Claim 16. The token dispensing and banknote changing device of Claim 14,
2 wherein the second hinge is located on one of the second edge or the fourth
3 edge of the second door.

1 Claim 17. The token dispensing and banknote changing device of Claim 12, further
2 comprising:

3 a token resupply door mounted on a hinge within the upper section of the
4 second door, the token resupply door being opened to manually resupply tokens into the
5 token dispensing unit supply hopper.

1 Claim 18. A token dispensing and banknote changing device, comprising:

2 a vertical chassis divided, from top to bottom, into a first compartment, a
3 second compartment, and a third compartment, the vertical chassis having a front face, a rear
4 face, two side faces, a top face, and a bottom face, the vertical chassis being closed except for
5 the front face and a predetermined portion of the rear of the third compartment;

6 a banknote dispensing unit for dispensing banknotes, the banknote dispensing
7 unit having a banknote dispensing guide for outputting one or more dispensed banknotes, the
8 banknote dispensing guide located at approximately the lower side of the banknote
9 dispensing unit, the banknote dispensing unit being disposed within the first compartment
10 and oriented so that the banknote dispensing guide protrudes out of the front face of the
11 vertical chassis;

12 a banknote receiving unit for receiving a banknote, the banknote receiving unit
13 having a banknote receiving guide for receiving a banknote, the banknote receiving guide
14 located at approximately the upper side of the banknote dispensing unit, the banknote
15 receiving unit being disposed within the second compartment and oriented so that the
16 banknote receiving guide protrudes out of the front face of the vertical chassis;

17 a token dispensing unit for dispensing tokens, the token dispensing unit having
18 a token dispensing tray located at approximately the lower side of the token dispensing unit,
19 the token dispensing unit being disposed within the third compartment and oriented so that
20 the token dispensing tray protrudes out of the front face of the vertical chassis, the token
21 dispensing unit having a supply hopper for retaining a supply of tokens for dispensing; and

22 a control unit placed within the vertical chassis and operatively connected with
23 the banknote dispensing unit, the banknote receiving unit, and the token dispensing unit, the
24 control unit detects receipt of a banknote, dispenses a predetermined number of banknotes,
25 and dispenses a predetermined number of tokens.